

ABSTRACT OF THE DISCLOSURE

[206] Disclosed are variants of *Humicola grisea* Cel7A (CBH1.1), *H. jecorina* CBH1 variant or *S. thermophilum* CBH1, nucleic acids encoding the same and methods for producing the same. The variant cellulases have the amino acid sequence of a glycosyl hydrolase of family 7A wherein one or more amino acid residues are substituted.